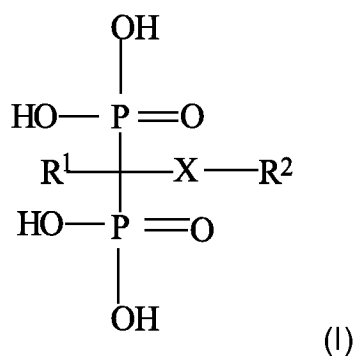
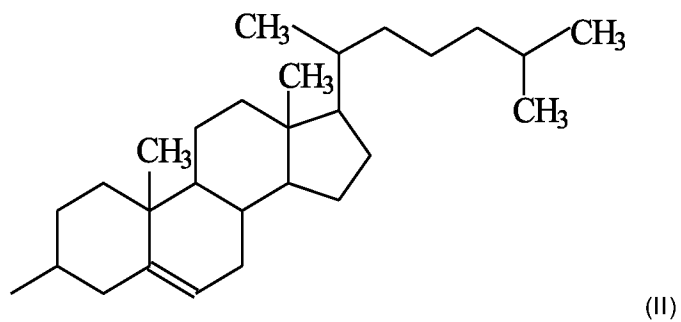


# ABSTRACT OF THE DISCLOSURE

A bisphosphonic acid of the general formula (I)



- wherein
- R<sup>1</sup> is H, OH, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkoxy, C<sub>1</sub>-C<sub>6</sub> hydroxyalkyl, C<sub>1</sub>-C<sub>6</sub> aminoalkyl, C<sub>1</sub>-C<sub>6</sub> halogen alkyl,
  - X is a direct bond, alkylene group with 1 to 20 carbon atoms, (CH<sub>3</sub>)<sub>m</sub>-(OCR<sup>3</sup>HCH<sub>2</sub>)<sub>n</sub>-(O)<sub>o</sub>-, wherein R<sup>3</sup> is H or CH<sub>3</sub> and m is 0 or a number from 1 to 6, n is a number from 1 to 10, preferably 1 to 6, and o is 0 or 1, -(CR<sup>4</sup>HCH<sub>2</sub>O)<sub>p</sub>-, wherein R<sup>4</sup> is H or CH<sub>3</sub>, p is a number from 1 to 10, preferably 1 to 6, (CH<sub>3</sub>)<sub>q</sub>-(OCR<sup>5</sup>HCH<sub>2</sub>)<sub>r</sub>-(O)<sub>s</sub>-(CH<sub>3</sub>)<sub>t</sub>-, wherein R<sup>5</sup> is H or CH<sub>3</sub> and q is 0 or a number from 1 to 6, r is a number from 1 to 10, preferably 1 to 6, and s is 0 or 1, and t is a number from 1 to 6,
  - R<sup>2</sup> is a group of the formula (II)



as well as their physiologically compatible derivatives, in particular salts and trimethyl silyl derivatives.